

AN-C17/1  
19-5-80

### Additional Information on P04.1, P34.1

The program is used in conjunction with SC/MPII and the K04/K34/  
monitors to program 2708's on the PP2 'Kemitron' board. SK04/SK34

Program execution begins at #5000 and can be called from either the monitor ('G' command, address #5000) or NIBL ('LINK #5000').\* In both cases, after programming is complete and the answer 'N' is given in reply to the question 'ANOTHER PROM?' control is transferred to the monitor. A 4MHz Crystal is required for SC/MPII.

The P04.1, P34.1 firmware is supplied to replace the earlier PPS-3 version. It has the following additional features:

1. A 'Memory Test' program is available starting at #5200. It is intended so the user can satisfy himself that the desired data has been programmed (but note the P04.1/P34.1 program itself compares the programmed 2708 with the source data automatically after programming, giving the message '#BAD PROM#' if the test fails).

However the 'Memory Test' program can be used to help set up and verify any data at any time. After execution control is returned to the calling program (monitor or NIBL).

2. A 'Write String' program is available starting at #5300. This is very useful in those programs which are written in machine code and require numerous messages. After entering the required starting address further characters from the keyboard are entered directly to the memory in ASCII code. This saves much tedious work looking up the code from a table and entering it as hex data. To terminate use the 'Escape' key (on some keyboards CTRL 'E' is equivalent to 'Escape').

\* NOTE Program can only be called from NIBL if NIBL is present!